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Osmosis (/ ɒ z ' m əʊ. s
ɪ s /) is the
spontaneous net
movement of solvent
molecules through a
selectively permeable
membrane into a
region of higher solute
concentration, in the
direction that tends to
equalize the solute
concentrations on the
two sides. It may also
be used to describe a

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physical process in which any solvent moves across a selectively permeable membrane (permeable to the ...

Osmosis - Wikipedia

Explanation: In this experiment we were testing the rate of diffusion and osmosis. We are weighing potato cores for their initial mass and then we are waiting for a time period of 24 hours

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too check the final mass to see if they were to lose or gain weight from the sucrose solution.

Osmosis and Diffusion 3 Part Lab - AP Bio Blog

Percent Difference in Mass Based on Sucrose Solution Concentration. AP Biology, Mod 5.

Abstract . The process of osmosis was examined through this experiment using

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dialysis tubing and potato cores. By filling dialysis tubing with different

concentrations of sucrose solution and leaving them in water over a period of time a pattern could be ...

**Lab Report 1 -
Osmosis - Biology
Lab Notebook**

Q6. John wanted to investigate the effect of the size of potato tissue on the rate of

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osmosis. He cut three different sized cubes of potato, one $0.5 \times 0.5 \times 0.5$ cm, one $1 \times 1 \times 1$ cm and one $2 \times 2 \times 2$ cm. He weighed the potato cubes and recorded their masses. He then placed each cube into a beaker of distilled water and left them for 1 hour.

Diffusion, osmosis, and active transport practice questions

Potato tuber Cork borer

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Scalpel Ruler Distilled
water Sucrose solution

(1M) Boiling tubes

Boiling tube rack Timer

Digital balance Paper

towels Method 1. Make

a series of dilutions of

1M sucrose solution.

These should be at 0.0,

0.2, 0.4, 0.6, 0.8 and

1.0M sucrose .

AQA Biology A-Level

- PMT

on potato tissue. It

could also be carried

out using salt - sodium

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Experiment

chloride solution -

instead of sucrose.

Aims of the

experiment: to

investigate the effect

of a range of sucrose

solutions on the ...

Practical - Effect of concentration on the mass of plant ...

Red epidermis from

rhubarb petiole is

irrigated with sucrose

solution and observed

under the microscope.

8.01 Plasmolysis 8.02

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Discussion 8.03

Discussion - answers

8.04 Plasmolysis -

preparation All zipped.

9 Surface area and

osmosis Potato cubes

with equal volume but

different surface area

are immersed in water

and weighed. 8.01

Surface area ...

Biology

Experiments.

Educational

experimental work

to ...

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Investigate osmosis in potatoes. A known mass of potato must be added to sucrose solution, left for some time, and the final mass recorded to obtain the percentage change in mass. This investigation looks at the exchange of water between the potato and solution and allows the concentration of sucrose in the potato to be determined.

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Experiment

Core Practical Guide

- Pearson Solution

qualifications

Materials The materials used to conduct this experiment are as follows:

* Potato * Test-tube Rack * one loom

Beaker * One ml

Beaker * Distilled

Water * Paper Towels *

Marker for Test Tubes *

1 mol/L Sucrose

Solution * 2 Pipettes *

10 ml Graduated Jul

24, 2010 · I am

currently enrolled in

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Experiment

College Physics II and
we just finished a lab
on "The ...
Results"

Sources of error in spectrometer experiment

Centrifugation is a mechanical process which involves the use of the centrifugal force to separate particles from a solution according to their size, shape, density, medium viscosity and rotor speed. The more

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Starch Solution

Results

dense components of the mixture migrate away from the axis of the centrifuge, while the less dense components of the mixture migrate towards the axis.

Centrifugation - Wikipedia

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